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- Bragg, A.E., R. Wester, A.V. Davis, A. Kammrath and D.M. Neumark, Excited-state detachment dynamics and rotational coherences of C₂⁻ via time-resolved photoelectron imaging 376 (2003) 767
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- Carravetta, M., X. Zhao, A. Böckmann and M.H. Levitt, Coherence transfer selectivity in two-dimensional solid-state NMR 376 (2003) 515
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- Chen, K.W., Y.H. Yu, E.Z. Luo, Z. Xie, J.B. Xu, I.H. Wilson, W.Y. Bishop and D.S. Shen, Characterization of nano-sized Si islands in buried oxide layer of SIMOX by Conducting AFM 376 (2003) 748
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- Denzler, D.N., Ch. Hess, R. Dudek, S. Wagner, Ch. Frischkorn, M. Wolf and G. Ertl, Interfacial structure of water on Ru(001) investigated by vibrational spectroscopy 376 (2003) 618
- De Paëpe, G., P. Hodgkinson and L. Emsley, Improved heteronuclear decoupling schemes for solid-state magic angle spinning NMR by direct spectral optimization 376 (2003) 259
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- Douglass, K.O., J.C. Keske, F.S. Rees, K. Welch, H.S. Yoo, B.H. Pate, I. Leonov and R.D. Suenram, Rotational spectroscopy of vibrationally excited states by infrared-Fourier transform microwave-microwave triple-resonance spectroscopy 376 (2003) 548
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- Gasmi, K., S. Skowronek and A. González Ureña, Quantum interferences in the $\text{Ba} \cdots \text{FCH}_3(\text{B}) + h\nu \rightarrow \text{BaF} + \text{CH}_3$ intracluster reaction 376 (2003) 324
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- Lafouresse, M.G., M.B. Sied, H. Allouchi, D.O. López, J. Salud and J.Ll. Tamarit, On the nature of the smectic mesophase in 8CB + 10CB binary mixtures. Evidences for a smectic A to nematic tricritical point 376 (2003) 188
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- Lenger, S.F., J. Gmeiner and W. Brütting, Molecular excitons in poly(*p*-phenylene-vinylene): a comparative study of PPV and an acetoxo substituted copolymer derivative 376 (2003) 411
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- Limão-Vieira, P., S. Eden, N.J. Mason and S.V. Hoffmann, Electronic state spectroscopy of acetaldehyde, CH_3CHO , by high-resolution VUV photo-absorption 376 (2003) 737
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- Makowski, M. and M.T. Pawlikowski, The electronic and vibrational structures of the vis–UV transitions in the 1,3-dicyanomethylene croconate anion in terms of CASSCF and DFT theory. The Franck–Condon analysis of $1^2\text{B}_1 \rightarrow 1^2\text{A}_2$ and $1^2\text{B}_1 \rightarrow 2^2\text{A}_2$ transitions 376 (2003) 631
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